

Company Petroleum Energy, Inc. Lease & Well No. McGlynn #1
 Elevation 1716 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 3875
 Date 12/7/79 Sec. 4 Twp. 20S Range 9W County Rice State Kansas
 Test Approved by Ken Hamlin Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 3192 ft. to 3232 ft. Total Depth 3232 ft.
 Packer Depth 3187 ft. Size 6 3/4 in. Packer Depth 3192 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3225 ft. Recorder Number 1051 Cap. 4250
 Bottom Recorder Depth (Outside) 3228 ft. Recorder Number 969 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 313 I. D. 2 1/4 in.
 Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 8.8 cc. Drill Pipe Length 2858 I. D. 3.8 in.
 Chlorides 76,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make - Serial Number - Anchor Length 40 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow (slowly decreasing)

Recovered 5 ft. of mud slightly oil and gas cut
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks: (no water)

Time Set Packer(s) 8:56 A.M. = P.M. Time Started Off Bottom 9:14 A.M. = P.M. Maximum Temperature 122⁰
 Initial Hydrostatic Pressure (A) 1711 P.S.I.
 Initial Flow Period Minutes 15 (B) 92 P.S.I. to (C) 71 P.S.I.
 Initial Closed In Period Minutes -- (D) -- P.S.I.
 Final Flow Period Minutes -- (E) -- P.S.I. to (F) -- P.S.I.
 Final Closed In Period Minutes -- (G) -- P.S.I.
 Final Hydrostatic Pressure (H) 1694 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/7/79 Test Ticket No. 3875
 Recorder No. 1051 Capacity 4250 Location 3225 Ft.
 Clock No. ---- Elevation 1716 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1711</u> P.S.I.	Open Tool	<u>8:56A</u> M	
B First Initial Flow Pressure	<u>92</u> P.S.I.	First Flow Pressure	<u>16</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>71</u> P.S.I.	Initial Closed-in Pressure	<u>--</u> Mins.	<u>--</u> Mins.
D Initial Closed-in Pressure	<u>--</u> P.S.I.	Second Flow Pressure	<u>--</u> Mins.	<u>--</u> Mins.
E Second Initial Flow Pressure	<u>--</u> P.S.I.	Final Closed-in Pressure	<u>--</u> Mins.	<u>--</u> Mins.
F Second Final Flow Pressure	<u>--</u> P.S.I.			
G Final Closed-in Pressure	<u>--</u> P.S.I.			
H Final Hydrostatic Mud	<u>1694</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
	Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.						
P 1 <u>0</u>	<u>92</u>						
P 2 <u>5</u>	<u>83</u>						
P 3 <u>10</u>	<u>76</u>						
P 4 <u>15</u>	<u>71</u>						
P 5 _____							
P 6 _____							
P 7 _____							
P 8 _____							
P 9 _____							
P10 _____							
P11 _____							
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TK# 3875
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1051

Company Petroleum Energy, Inc. Lease & Well No. McGlynn #1
 Elevation 1716 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 4276
 Date 12/7/79 Sec. 4 Twp 20S Range 9W County Rice State Kansas
 Test Approved by Ken Hamlin Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 3191 ft. to 3241 ft. Total Depth 3241 ft.
 Packer Depth 3186 ft. Size 6 3/4 in. Packer Depth 3191 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3233 ft. Recorder Number 1051 Cap. 4250
 Bottom Recorder Depth (Outside) 3235 ft. Recorder Number 969 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 313 I. D. 2 1/4 in.
 Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 10.8 cc. Drill Pipe Length 2857 I. D. 3.8 in.
 Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make -- Serial Number -- Anchor Length 50 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow throughout first opening. No blow on second opening.

Recovered 65 ft. of mud (slightly gas cut)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 8:38 ~~A.M.~~ P.M. Time Started Off Bottom 10:40 ~~A.M.~~ P.M. Maximum Temperature 104⁰
 Initial Hydrostatic Pressure (A) 1724 P.S.I.
 Initial Flow Period Minutes 30 (B) 110 P.S.I. to (C) 97 P.S.I.
 Initial Closed In Period Minutes 27 (D) 148 P.S.I.
 Final Flow Period Minutes 30 (E) 114 P.S.I. to (F) 96 P.S.I.
 Final Closed In Period Minutes 33 (G) 116 P.S.I.
 Final Hydrostatic Pressure (H) 1700 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/7/79 Test Ticket No. 4276
 Recorder No. 1051 Capacity 4250 Location 3233 Ft.
 Clock No. ---- Elevation 1716 Kelly Bushing Well Temperature 104 °F

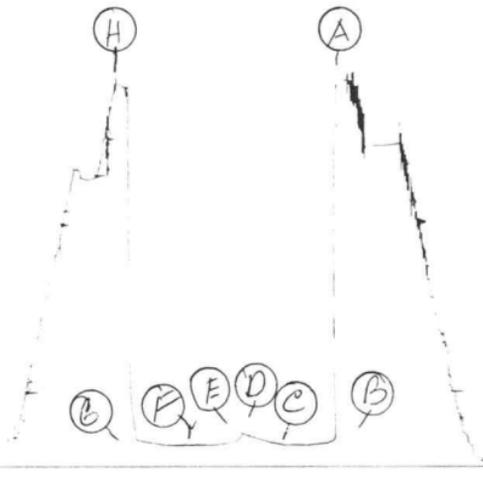
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1724	P.S.I.	8:38P	M
B First Initial Flow Pressure	110	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	97	P.S.I.	30	Mins. 27 Mins.
D Initial Closed-in Pressure	148	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	114	P.S.I.	30	Mins. 33 Mins.
F Second Final Flow Pressure	96	P.S.I.		
G Final Closed-in Pressure	116	P.S.I.		
H Final Hydrostatic Mud	1700	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	6		9		6		11	
	of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	110	0	97	0	114	0	96	
P 2 5	106	3	99	5	109	3	96	
P 3 10	110	6	103	10	101	6	96	
P 4 15	97	9	110	15	97	9	96	
P 5 20	97	12	116	20	97	12	96	
P 6 25	97	15	123	25	97	15	96	
P 7 30	97	18	131	30	96	18	96	
P 8		21	135			21	99	
P 9		24	142			24	103	
P10		27	148			27	108	
P11						30	112	
P12						33	116	
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

TKL # 4376

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Company Petroleum Energy, Inc. Lease & Well No. McGlynn #1
 Elevation 1716 Formation Arbuckle Effective Pay --- Ft. Ticket No. 4277
 Date 12/8/79 Sec. 4 Twp. 20S Range 9W County Rice State Kansas
 Test Approved by Ken Hamlin Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 3194 ft. to 3253 ft. Total Depth 3253 ft.
 Packer Depth 3189 ft. Size 6 3/4 Packer Depth 3194 ft. Size 6 3/4
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3244 ft. Recorder Number 1051 Cap. 4250
 Bottom Recorder Depth (Outside) 3247 ft. Recorder Number 969 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 313 I. D. 2 1/4 in.
 Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 10.4 cc. Drill Pipe Length 2860 I. D. 3.8 in.
 Chlorides 76,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make -- Serial Number -- Anchor Length 59 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Steady blow, two inches in bucket ; slightly decreasing last five minutes of first opening.
Blow decreasing from 1 1/2 inches to one fourth inch on second opening.

Recovered 40 ft. of slightly oil and gas cut mud
 Recovered 20 ft. of gas in pipe
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks: (No water)

Time Set Packer(s) 11:35 ^{A.M.}/_{P.M.} Time Started Off Bottom 1:37 ^{A.M.}/_{P.M.} Maximum Temperature 105⁰
 Initial Hydrostatic Pressure (A) 1749 P.S.I.
 Initial Flow Period Minutes 30 (B) 120 P.S.I. to (C) 83 P.S.I.
 Initial Closed In Period Minutes 30 (D) 568 P.S.I.
 Final Flow Period Minutes 30 (E) 125 P.S.I. to (F) 88 P.S.I.
 Final Closed In Period Minutes 30 (G) 608 P.S.I.
 Final Hydrostatic Pressure (H) 1730 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/8/79 Test Ticket No. 4277
 Recorder No. 1051 Capacity 4250 Location 3244 Ft.
 Clock No. --- Elevation 1716 Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	1749	P.S.I.	11:35A	M
B. First Initial Flow Pressure	120	P.S.I.	30	30
C. First Final Flow Pressure	83	P.S.I.	30	30
D. Initial Closed-in Pressure	568	P.S.I.	30	30
E. Second Initial Flow Pressure	125	P.S.I.	30	30
F. Second Final Flow Pressure	88	P.S.I.		
G. Final Closed-in Pressure	608	P.S.I.		
H. Final Hydrostatic Mud	1730	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

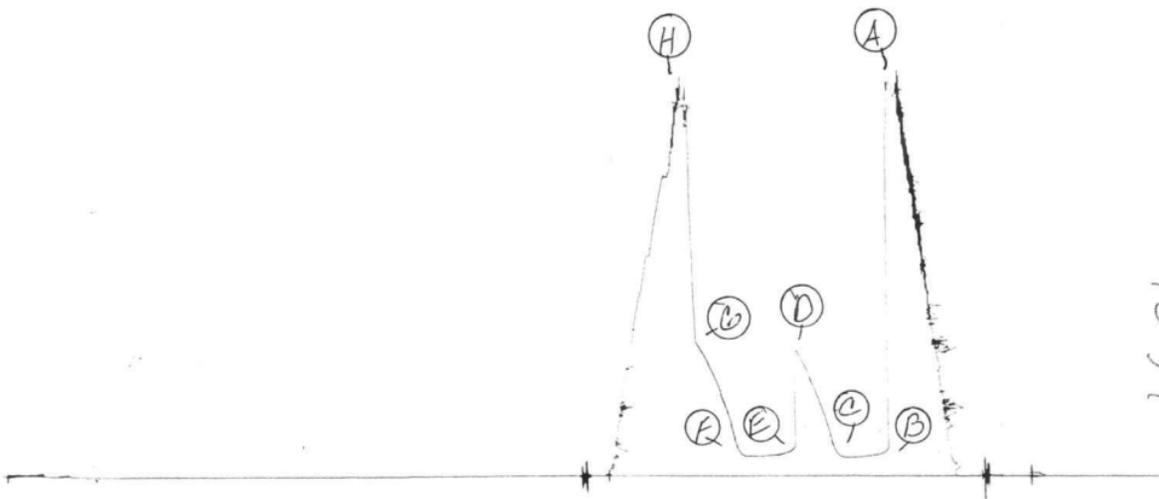
Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 0 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>120</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>125</u>	<u>0</u>	<u>88</u>
P 2 <u>5</u>	<u>99</u>	<u>3</u>	<u>105</u>	<u>5</u>	<u>108</u>	<u>3</u>	<u>114</u>
P 3 <u>10</u>	<u>92</u>	<u>6</u>	<u>157</u>	<u>10</u>	<u>95</u>	<u>6</u>	<u>181</u>
P 4 <u>15</u>	<u>88</u>	<u>9</u>	<u>237</u>	<u>15</u>	<u>92</u>	<u>9</u>	<u>269</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>303</u>	<u>20</u>	<u>90</u>	<u>12</u>	<u>325</u>
P 6 <u>25</u>	<u>83</u>	<u>15</u>	<u>357</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>394</u>
P 7 <u>30</u>	<u>83</u>	<u>18</u>	<u>411</u>	<u>30</u>	<u>88</u>	<u>18</u>	<u>446</u>
P 8 _____	_____	<u>21</u>	<u>465</u>	_____	_____	<u>21</u>	<u>489</u>
P 9 _____	_____	<u>24</u>	<u>511</u>	_____	_____	<u>24</u>	<u>540</u>
P10 _____	_____	<u>27</u>	<u>549</u>	_____	_____	<u>27</u>	<u>578</u>
P11 _____	_____	<u>30</u>	<u>568</u>	_____	_____	<u>30</u>	<u>608</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TRK# 44277
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Company Petroleum Energy, Inc. Lease & Well No. McGlynn #1
 Elevation 1716 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 4278
 Date 12/8/79 Sec. 4 Twp. 20S Range 9W County Rice State Kansas
 Test Approved by Ken Hamlin Western Representative Roger Lisenby

Formation Test No. 4 Interval Tested from 3229 ft. to 3257 ft. Total Depth 3257 ft.
 Packer Depth 3224 ft. Size 6 3/4 in. Packer Depth 3229 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3248 ft. Recorder Number 1051 Cap. 4250
 Bottom Recorder Depth (Outside) 3251 ft. Recorder Number 969 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 313 I. D. 2 1/4 in.
 Mud Type starch Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 10.4 cc. Drill Pipe Length 2915 I. D. - in.
 Chlorides 76,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make -- Serial Number --- Anchor Length 28 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Four inches in bucket, increasing for fifteen minutes to six inches then decreasing slowly to four inches first opening. Three inches in bucket decreasing to one inch on second

Recovered opening. ft. of
 Recovered 190 ft. of slightly oil and gas cut mud (no water)
 Recovered 3% oil ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: _____

Time Set Packer(s) 11:28 ~~A.M.~~ P.M. Time Started Off Bottom 2:30 ~~A.M.~~ P.M. Maximum Temperature 105⁰
 Initial Hydrostatic Pressure (A) 1747 P.S.I.
 Initial Flow Period Minutes 45 (B) 116 P.S.I. to (C) 125 P.S.I.
 Initial Closed In Period Minutes 48 (D) 1090 P.S.I.
 Final Flow Period Minutes 45 (E) 154 P.S.I. to (F) 149 P.S.I.
 Final Closed In Period Minutes 45 (G) 1082 P.S.I.
 Final Hydrostatic Pressure (H) 1718 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/8/79

Test Ticket No. 4278

Recorder No. 1051

Capacity 4250

Location 3248 Ft.

Clock No. ---

Elevation 1716 Kelly Bushing

Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1747</u>	P.S.I.	<u>11:28P</u>	<u>M</u>
B First Initial Flow Pressure	<u>116</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
C First Final Flow Pressure	<u>125</u>	P.S.I.	<u>45</u>	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1090</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>154</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
F Second Final Flow Pressure	<u>149</u>	P.S.I.		
G Final Closed-in Pressure	<u>1082</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1718</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

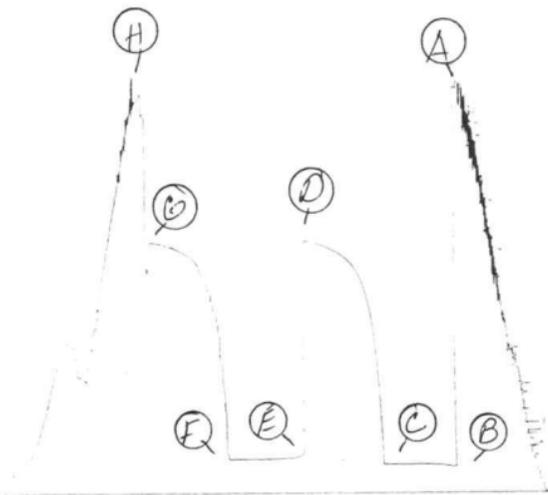
Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>116</u>	<u>0</u>	<u>125</u>	<u>0</u>	<u>154</u>	<u>0</u>	<u>149</u>
P 2 <u>5</u>	<u>118</u>	<u>3</u>	<u>411</u>	<u>5</u>	<u>154</u>	<u>3</u>	<u>383</u>
P 3 <u>10</u>	<u>123</u>	<u>6</u>	<u>629</u>	<u>10</u>	<u>152</u>	<u>6</u>	<u>576</u>
P 4 <u>15</u>	<u>125</u>	<u>9</u>	<u>778</u>	<u>15</u>	<u>149</u>	<u>9</u>	<u>772</u>
P 5 <u>20</u>	<u>125</u>	<u>12</u>	<u>864</u>	<u>20</u>	<u>149</u>	<u>12</u>	<u>868</u>
P 6 <u>25</u>	<u>125</u>	<u>15</u>	<u>919</u>	<u>25</u>	<u>149</u>	<u>15</u>	<u>911</u>
P 7 <u>30</u>	<u>125</u>	<u>18</u>	<u>968</u>	<u>30</u>	<u>149</u>	<u>18</u>	<u>955</u>
P 8 <u>35</u>	<u>125</u>	<u>21</u>	<u>996</u>	<u>35</u>	<u>149</u>	<u>21</u>	<u>1000</u>
P 9 <u>40</u>	<u>125</u>	<u>4</u>	<u>1019</u>	<u>40</u>	<u>149</u>	<u>24</u>	<u>1021</u>
P10 <u>45</u>	<u>125</u>	<u>27</u>	<u>1034</u>	<u>45</u>	<u>149</u>	<u>27</u>	<u>1035</u>
P11		<u>30</u>	<u>1046</u>			<u>30</u>	<u>1048</u>
P12		<u>33</u>	<u>1059</u>			<u>33</u>	<u>1059</u>
P13		<u>36</u>	<u>1070</u>			<u>36</u>	<u>1065</u>
P14		<u>39</u>	<u>1074</u>			<u>39</u>	<u>1072</u>
P15		<u>42</u>	<u>1082</u>			<u>42</u>	<u>1077</u>
P16		<u>45</u>	<u>1084</u>			<u>45</u>	<u>1082</u>
P17		<u>48</u>	<u>1091</u>				
P18							
P19							
P20							

RA# 4278
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1051